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ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius
°F	degrees Fahrenheit
µg/m ³	micrograms per cubic meter
µPa	micropascal
3D	three-dimensional
AADT	Annual Average Daily Traffic
AAQS	Ambient Air Quality Standards
ABFE	advisory base flood elevation
ACHP	Advisory Council on Historic Preservation
Algonquin	Algonquin Gas Transmission, LLC
ANSI	American National Standards Institute
API	American Petroleum Institute
AQCR	Air Quality Control Region
AQRV	air quality relative value
ARRA	American Recovery and Reinvestment Act of 2009
ASME	American Society of Mechanical Engineers
ASMFC	Atlantic States Marine Fisheries Commission
ASSRT	Atlantic Sturgeon Status Review Team
ATWS	additional temporary workspace
BA	Biological Assessment
BCCs	Birds of Conservation Concern
BCR	Bird Conservation Region
BGEPA	Bald and Golden Eagle Protection Act
BO	Biological Opinion
BOEM	Bureau of Ocean Energy Management
BQD18	Brooklyn Community District 18
BQI Project	Brooklyn-Queens Interconnect Project
C&ME	Construction and Marine Equipment
CAA	Clean Air Act
CEQ	Council on Environmental Quality
CEQR	City Environmental Quality Review
Certificate	Certificate of Public Convenience and Necessity
CeTAP	Cetacean and Turtle Assessment Program
CFR	Code of Federal Regulations
CH ₄	methane
CHPE	Champlain Hudson Power Express, Inc.
CMP	Coastal Management Program
CO	carbon monoxide
CO ₂	carbon dioxide

ACRONYMS AND ABBREVIATIONS (cont'd)

CO ₂ e	carbon dioxide equivalents
Columbia	Columbia Gas Transmission, LLC
Commission	Federal Energy Regulatory Commission
Con Edison	Consolidated Edison, Inc.
Constitution	Constitution Pipeline Company, LLC
Construction Spill Plan	Construction Spill Plan for Oil and Hazardous Materials
CP	Commissioner's Policy
CPP	Construction Protection Plan
CQD14	Queens Community District 14
CWA	Clean Water Act
CZMA	Coastal Zone Management Act of 1972
CZMP	Coastal Zone Management Program
dB	decibels
dBA	decibels on the A-weighted scale
DHS	Department of Homeland Security
DOE	U.S. Department of Energy
DOI	U.S. Department of the Interior
DOT	U.S. Department of Transportation
DPS	distinct population segments
DWPA	Deepwater Port Act of 1974
EAS	Environmental Assessment Statement
ECOM	estuarine, coastal, and ocean model
EERE	Office of Energy Efficiency and Renewable Energy
EFH	essential fish habitat
EI	Environmental Inspector
EIA	Energy Information Administration
EIEA	Energy Improvement and Extension Act
EIS	Environmental Impact Statement
EISA	Energy Independence and Security Act
EJ	Environmental Justice
EO	Executive Order
EPA	U.S. Environmental Protection Agency
EPAAct	Energy Policy Act of 2005
ESA	Endangered Species Act
F	Fahrenheit
FCV	flow control valves
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FERC Plan	FERC's Upland Erosion Control, Revegetation, and Maintenance Plan

ACRONYMS AND ABBREVIATIONS (cont'd)

FERC Procedures	FERC's Wetland and Waterbody Construction and Mitigation Procedures
FHWG	Fisheries Hydroacoustic Working Group
FR	Federal Regulations
FSRU	floating storage and regasification unit
FTA	Federal Transit Administration
FWS	U.S. Fish and Wildlife Service
FWS-NJFO	U.S. Fish and Wildlife, New Jersey Field Office
FWS-PFO	U.S. Fish and Wildlife, Pennsylvania Field Office
GGRP	Greenhouse Gas Reporting Program
GHG	greenhouse gas
GMP	General Management Plan
GNRA	Gateway National Recreation Area
GPS	global positioning system
GW	gigawatt
GWh	gigawatt hour
GWP	global warming potential
H&K	Hoover and Keith, Inc.
H ₂ SO ₄	sulfuric acid
HABS	Historic American Buildings Survey
HCA	high consequence area
HDD	horizontal directional drill
HDD Monitoring and Contingency Plan	Horizontal Directional Drilling Monitoring and Contingency Plan
hp	horsepower
HSR	historic structures report
HUD	U.S. Department of Housing and Urban Development
Hz	hertz
IHA	Incidental Harassment Authorization
Iroquois	Iroquois Gas Transmission System, LP
ITS	Incidental Take Statement
kV	kilovolt
kW	kilowatt
L	liter
L _d	ambient daytime equivalent sound level
L _{dn}	day-night sound level
L _{eq}	equivalent sound levels
L _{eq(1)}	1-hour equivalent sound level
L _{eq(24)}	24-hour equivalent sound level
LIE	Long Island Extension

ACRONYMS AND ABBREVIATIONS (cont'd)

LIPA	Long Island Power Authority
L_{max}	maximum sound level
LMOP	Landfill Methane Outreach Program
LNG	liquefied natural gas
LNGRV	liquid natural gas regasification vessel
LNYBL	Lower New York Bay Lateral
LPG	liquefied petroleum gas
LSE	Leidy Southeast Expansion
LWRP	Local Waterfront Revitalization Program
M&R	metering and regulating
MAOP	Maximum Allowable Operating Pressure
MARAD	Maritime Administration
MARMAP	Marine Resources Monitoring, Assessments, and Prediction
MBTA	Migratory Bird Treaty Act
MDth/d	thousand dekatherms per day
mg	milligrams
mg/L	milligrams per liter
Millennium	Millennium Pipeline Company, LLC
MMBtu	million metric British thermal units
MMBtu/hr	million metric British thermal units per hour
MMcf	million cubic feet
MMcf/d	million cubic feet per day
MMI	Modified Mercalli Intensity
MMPA	Marine Mammal Protection Act of 1972
MOEC	New York City Mayor's Office of Environmental Coordination
MOU	Memorandum of Understanding
MP	milepost
mph	miles per hour
MSA	Magnuson-Stevens Fishery Conservation and Management Act
MW	megawatt
MWh	megawatt hours
MWh/d	megawatt hours per day
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NEFSC	Northeast Fisheries Science Center
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NGA	Natural Gas Act
NHPA	National Historic Preservation Act

ACRONYMS AND ABBREVIATIONS (cont'd)

NJDEP	New Jersey Department of Environmental Protection
NJDOT	New Jersey Department of Transportation
NJEMP	New Jersey Energy Master Plan
NJ-NY-CT	New Jersey-New York-Connecticut
nm ²	square nautical miles
NNSR	Nonattainment New Source Review
NO ₂	nitrogen dioxide
NOAA	U.S. Department of Commerce, National Oceanic and Atmospheric Administration
NOAA Fisheries	National Oceanic and Atmospheric Administration, National Marine Fisheries Service
NOx	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSA	noise sensitive area
NSPS	New Source Performance Standards
NSR	New Source Review
NTU	nephelometric turbidity unit
NWR	National Wildlife Refuge
NYCDEP	New York City Department of Environmental Protection
NYCDOB	New York City Department of Buildings
NYCDOT	New York City Department of Transportation
NYCDPR	New York City Department of Parks and Recreation
NYCRR	New York Codes, Rules and Regulations
NYISO	New York Independent System Operator
YNHNP	New York Natural Heritage Program
NYPA	New York Power Authority
NYPSC	New York State Public Service Commission
NYSDEC	New York State Department of Environmental Conservation
NYSDOS	New York State Department of State
NYSDOT	New York State Department of Transportation
NYSERDA	New York State Energy Research and Development Authority
NYSOGS	New York State Office of General Service
OB	octave band
OCRM	Office of Ocean and Coastal Resource Management
OCS	Outer Continental Shelf
OEP	Office of Energy Projects
OPA	Otherwise Protected Area

ACRONYMS AND ABBREVIATIONS (cont'd)

OPRHP	Office of Parks, Recreation and Historic Preservation
OPS	Office of Pipeline Safety
OSHA	Occupational Safety and Health Administration
PADCNR	Pennsylvania Department of Conservation and Natural Resources
PAH	polycyclic aromatic hydrocarbon
Pb	Lead
PCBs	polychlorinated biphenyls
PECO	Philadelphia Electric Company
PGA	peak horizontal ground acceleration
PHMSA	Pipeline and Hazardous Materials Safety Administration
PM ₁₀	particulate matter less than 10 microns in aerodynamic diameter
PM _{2.5}	particulate matter less than 2.5 microns in aerodynamic diameter
PNDI	Pennsylvania Natural Diversity Inventory
ppb	parts per billion by volume
ppm	parts per million
ppt	parts per thousand
PPV	peak particle velocity
PSD	Prevention of Significant Deterioration
PSE&G	Public Service Electric and Gas Company
psig	pounds per square inch gauge
PTE	potential-to-emit
RCRA	Resource Conservation and Recovery Act
RHA	Rivers and Harbors Act
RICE	reciprocating internal combustion engine
RMS	root mean squared
ROV	remotely operated vehicle
RPS	renewable portfolio standard
RTS	regional transmission system
SCADA	supervisory control and data acquisition
SCC	Sector Coordinating Council
SEFSC	Southeast Fisheries Science Center
SEL	sound exposure level
SEQRA	State Environmental Quality Review Act
SG	specific gravity
SHPO	State Historic Preservation Office
SI	Environmental Site Investigation
SIP	State Implementation Plan
SMA	Seasonal Management Area
SO ₂	sulfur dioxide

ACRONYMS AND ABBREVIATIONS (cont'd)

SPCC Plan	Spill Prevention, Control and Countermeasure Plan
SPL	sound pressure level
SRHP	State Register of Historic Places
SSA	sole or principal source aquifer
STL	submerged turret loading
SWPPP	Stormwater Pollution Prevention Plan
TBTA	Triborough Bridge and Tunnel Authority
Tennessee Gas	Tennessee Gas Pipeline, LLC
Texas Eastern	Texas Eastern Transmission, LP
TOGS	Technical and Operational Guidance Series
tpy	tons per year
Transco	Transcontinental Gas Pipe Line Company, LLC
Transco Plan	Project-Specific Erosion Control, Revegetation, and Maintenance Plan
Transco Procedures	Project-Specific Wetland and Waterbody Construction and Mitigation
TSA	Office of Homeland Security's Transportation Security Administration
TSP	Total Suspended Particulates
TSS	total suspended solid
Unistar	Unistar Nuclear
USACE	U.S. Army Corps of Engineers
USC	United States Code
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USGCRP	U.S. Global Change Research Program
USGS	U.S. Geological Survey
VOC	volatile organic compound
VSC-HVDC	Voltage Source Conversion-High Voltage Direct Current
WEG	wind erodibility group